

CLAIMS

1. A body fluid absorbent article, comprising:
 - an absorbent that is provided in a body fluid absorbent portion, and that includes a body fluid absorption and holding function and a shrinkage function when contact with a body fluid; and
 - an absorption control layer which is provided on said absorbent, and a liquid impermeable range of which is reduced whenever a body fluid is excreted.
2. The body fluid absorbent article according to claim 1, wherein
said liquid impermeable range includes a body fluid receiving portion defined as a range in which the excreted body fluid is received first within said body fluid absorbent portion.
3. The body fluid absorbent article according to claim 1 or 2, comprising:
 - a body fluid diffusion layer which covers said liquid impermeable range and at least a part of which protrudes outside the liquid impermeable range.
4. The body fluid absorbent article according to any one of claims 1 to 3, wherein
said absorbent includes a fixed portion fixed to the article, and a free portion that is not fixed to the article, and
said absorption control layer is reduced from a fixed portion side of said absorbent toward a free portion side thereof whenever the body fluid is excreted.
5. The body fluid absorbent article according to claim 4, wherein
said absorbent is elongated and includes said fixed portion on one end thereof, and

said absorption control layer is a cylindrical member including the liquid impermeable range continuous in a circumferential direction and a longitudinal direction, said absorbent being inserted into an inner cavity of said absorption control layer.

6. The body fluid absorbent article according to claim 4 or 5, wherein

said absorption control layer is configured so as not to block at least a contact between a fixed portion-side end of the free portion of said absorbent and the body fluid.

7. The body fluid absorbent article according to any one of claims 4 to 6, comprising:

a body fluid diffusion layer that extends at least from a body fluid receiving portion defined as a range in which the excreted body fluid is received first within said body fluid absorbent portion to a fixed portion-side end of the free portion of said absorbent.

8. The body fluid absorbent article according to claim 3 or 7, comprising:

a body fluid storage portion that is provided in a body fluid receiving portion defined as a range in which the excreted body fluid is received first within said body fluid absorbent portion, and that contacts with the body fluid diffusion layer.

9. The body fluid absorbent article according to claim 3, 7 or 8, wherein

said body fluid diffusion layer consists of a fiber assembly sheet having a Klemm water absorption according to "Testing Method for Water Absorption of Paper and Paperboard by Klemm Method" specified in JIS P 8141, which

absorption is 100 millimeters or more in ten minutes.

10. The body fluid absorbent article according to any one of claims 1 to 9, comprising:

a liquid permeable surface layer provided on a side facing a body skin; and
a leak-proof layer provided on a side apart from the body skin, wherein
said body fluid absorbent portion is provided between the surface layer and
the leak-proof layer, and

said liquid impermeable range includes at least the body fluid receiving
portion defined as the range in which the excreted body fluid is received first within
said body fluid absorbent portion.

11. The body fluid absorbent article according to any one of claims 1 to 10,
wherein

said absorption control layer is a liquid impermeable, water soluble layer
peripheral portions of which are dissolved whenever the body fluid is excreted.

12. The body fluid absorbent article according to claim 11, wherein

said absorption control layer is a water soluble film having an
absorbent-side surface that is not subjected to a water repellent treatment and an
opposite surface to the absorbent-side surface and subjected to the water repellent
treatment.

13. The body fluid absorbent article according to any one of claims 1 to 11,
wherein

said absorption control layer is a liquid impermeable sheet which shrinks
by 50 % or more in area when being wet.

14. The body fluid absorbent article according to any one of claims 1 to 11, wherein

said absorption control layer is a liquid impermeable sheet integrated with a shrinkable member that shrinks when in contact with the body fluid.

15. The body fluid absorbent article according to any one of claims 1 to 11, wherein

said absorption control layer is a liquid permeable sheet which is subjected to a water repellent treatment, and water repellency of which is lost when contacting with the body fluid for a predetermined time or more.

16. The body fluid absorbent article according to any one of claims 1 to 15, comprising:

a plurality of wall members arranged within said body fluid absorbent portion at predetermined intervals, wherein

said absorbent and said absorption control layer are arranged between the wall members.

17. A body fluid absorbent article comprising:

a wall member consisting of a liquid permeable bag body in which super absorbent polymers are filled; and

an absorbent including a body fluid absorption and holding function and a shrinkage function when contacting with a body fluid, wherein

said bag body has a bursting strength equal to or higher than 200 g/cm^2 according to Mullen Burst Test specified in JIS L 1096A in a standard state.

18. The body fluid absorbent article according to claim 17, comprising:
a liquid permeable surface layer provided on a side facing a body skin; and
a leak-proof layer provided on a side apart from the body skin, wherein
said body fluid absorbent portion is provided between the surface layer and
the leak-proof layer.
19. The body fluid absorbent article according to claim 17, wherein
a plurality of the wall members are arranged at predetermined intervals, and
said absorbent is arranged between the wall members.
20. The body fluid absorbent article according to any one of claims 17 to 19,
wherein
said wall member is filled with 300 grams or more of super absorbent
polymers per unit area (1 m^2 of said bag body in a flattened state).
21. The body fluid absorbent article according to any one of claims 17 to 20
wherein
said wall members and said absorbent are arranged along a longitudinal
direction of the article, and
one side end of said absorbent in the longitudinal direction of the article is
fixed to the article.